

"Amateur Radio: Combining communication experience with modern digital techniques."

**September 2010**

*ZS6JVT Spring 40 Metre Youth Contest 4 September*

*SARL VHF/UHF Contest 18 and 19 September*

*SARL Club Digimodes Contest 29 September*



## ZU licence is an introduction into amateur radio

When the South African Radio League (SARL) convinced the authorities at the time that South Africa needed an introductory license to introduce teenagers into amateur radio it was with that understanding that the ZU license was introduced as a stepping stone into amateur radio for young people who had not yet reached the educational level to be able to study for the ZS or class A license.

While the regulations did not pin down an age limit, it is still perceived by ICASA that the ZU license is aimed at the young.

In the past imposing an age limit has been suggested. Should it be 18, should it be 25, which is the current age limit for SARL student membership.

With the current rewrite of the regulations, all radio regulations, the question will undoubtedly be raised again. We have to wait and see what will come out of the wash when the draft regulations are published for comment in the Government Gazette. When is still unknown, perhaps in the next few months. Draft regulations are gazetted for comment. Comments are then considered before the final regulations are promulgated.

The ZU license stands apart from novice licenses in other countries and is not internationally recognized. The SARL is still standing by its original request to the then regulatory authorities and urge clubs to promote the ZU license as an introduction to amateur radio for young people. That is what is always was meant to be.

If you would like to comment and share your views send an email to [armi@sarl.org.za](mailto:armi@sarl.org.za)

## Jamboree on the Air / CQ Hou Koers

There is about six weeks to go until Jamboree on the Air and CQ Hou Koers.

Some 500 000 Scouts and Guides worldwide will take part in Jamboree on the Air and Jamboree on The Internet. Every year there is a theme for JOTA and JOTI, and this year the theme for Jamboree on the Air 2010 is directly related to article 12 of the Convention of the Rights of the Child - "The Right to be Heard". This year is the 20th anniversary of the Convention.

As in previous years, Radio Amateurs around the world will be invited to help with a JOTA activity, and many will accept the challenge. We live in hope that the sun will grow a few spots in October, giving us some good propagation.

HF Happenings #21



## September

- 1 Secretaries Day
- 3 Casual Day
- 4 ZS6JVT Spring 40 Metre Youth Contest
- 6 - 10 National Arbour Week
- 9 Rosh Hashanah
- 10 Eid al-Fitr
- 11 ARRL September VHF QSO Party
- 12 Spring QRP Sprint; ARRL September VHF QSO Party
- 13 Closing date SARL CW logs
- 16 World Ozone Day
- 18 Yom Kippur; RTA, Gauteng
- 18/19 SARL VHF/UHF Contest
- 21 World Alzheimer's Day; International Day of Peace
- 21 - 25 African Aerospace and Defence Show, AFB Ysterplaat, Cape Town
- 23 Spring Equinox; Schools close
- 24 Heritage Day/National Braai Day; Heritage Day Sprint
- 25/26 CQ WW RTTY contest
- 27 World Tourism Day; World Heart Day; Closing date Spring QRP logs
- 29 SARL 80 m Club Digamodes Contest

Nevertheless, only a couple of children can speak on the radio at a time, so an interesting programme, based on the theme and the Scout/Guide award scheme, and worked around the radio activities, will ensure an enjoyable weekend for the young folk.

Unlike a contest, JOTA is not competitive, but it has the same excitement as a contest, because we know the bands will be well used, and whatever propagation exists will be used for maximum effect.

There is growing interest by Scouts in JOTA and Amateur Radio, so there's no time like the present to give the hobby a boost by introducing it to young people.

If you are approached by a Scout or Guide Group to help with JOTA and/or JOTI, please consider saying yes. JOTA and JOTI takes place from 15 to 17 October and CQ Hou Koers from 15 to 16 October.

## African DX

Rwanda, 9X (Update). Tom, DL2RUM, in Kigali, has announced that he will be extending his stay into September, and will continue to be active as 9X0TL through the following weeks - 29 August to 9 September and 19 September to 28 September.

Remember, he is here on business, so activity will be limited to his spare time. Operations will be on 80 - 6 metres using CW, SSB and RTTY. His equipment is a K3 w/600 watt solid state PA, Butternut HF-9V, HB9CV (6 m) and wire antennas.

QSL via DL2RUM. More info and an online log will be available at <http://dl2rum.de>

Egypt, SU. Gab, SU/HA3JB, will be active from Egypt in September and November 2010. He plans to operate CW, RTTY (CQ WW DX RTTY Contest included), PSK31 and some SSB. QSL via HA3JB - direct only. Gab's website is at [www.ha3jb.com](http://www.ha3jb.com)

Central African Republic, TL. Christian, TLOA, is currently vacationing in France. He will be back to Bangui, Central African Republic on 8 September, and expects to remain there until late 2010 - early 2011. QSL only to: Christian Saint-Arroman, Chemin de Mousteguy, 64990 Urcuit, France.

Rodriguez Island, 3B9. By the time you read this, Giorgio, IZ4AKS, will be active as 3B9/IZ4AKS from Rodriguez Island (AF-017) between now and 4 September. Activity will be limited to his free time as this is a holiday style operation and not a dedicated DXpedition. Look for activity on 10 - 40 metres, mainly SSB, but possibly RTTY and CW. He will use a FT-897D with 100 watts into a vertical antenna placed near the ocean. QSL only direct with SAE and 2 USDs (NO IRC, NO BUREAU QSLs). He now has a Web page available at <http://www.iz4aks.com/3b8-3b9>





Canary Islands, ED8. Luis, EA8AY, will be active as ED8T from Tenerife Island (AF-004) during the CQ WW DX CW Contest (27 and 28 November) as a Single-Op/All-Band entry. QSL via LoTW. Visit Luis's Web page at <http://www.ea8ay.com/cw4evr/index.html>

Reunion Island, TO2. Olivier, F4FLF, will be active as TO2Z on Reunion Island (AF-016) next year between 9 and 22 April 2011. He states that this is a holiday style operation and not a DXpedition. He does mention that he will be on every evening operating on SSB, PSK and RTTY. QSL via his home call sign.

Mayotte, FH, AF-027. Fabio, PY2AAZ/AC2AC, Anderson, PY2TNT, Fred, PY2XB, and Alex, PY2WAS, will show up as TO2FH from Mayotte (AF-027) from 3 to 10 September. No QSL route known yet.

Madagascar, 5R, AF-013. Franck, F4DBJ, will stay on Madagascar (AF-013) between 5 September and 28 November. He will sign 5R8HT running 100 watts into a W3DZZ for 40 and 80 m and a vertical for 10, 15 and 20 m. QSL via F4DBJ, bureau ok.

Ascension Island, ZD8. Tom, K7ZZ, will be active as ZD8ZZ from an elevation of 2 300 ft on Green Mountain between 6 and 19 October. This will be a "micro-lite" operation on 160 - 10 metres using CW and SSB. His antennas will be two element phased vertical array. QSL via LoTW or direct to K7ZZ.

## Special event station

Jordan. Members of the Royal Jordanian Radio Amateurs Society (RJRAS) will activate special event station JY7P between 17 and 19 September. The suffix "P" stands for "Petra" the "Rose-Red City" of the ancient Nabataean civilization, which is situated in the southern part of Jordan. The RJRAS will be celebrating this special weekend to dedicate the city of PETRA. This event is also designed to promote the city as well as promoting tourism to Jordan and PETRA in particular. QSL via QRZ.com. Also, visit the special JY7P Web page at <http://www.jy7p.com>

The Netherlands. Operators Peter, PD1AJJ, and Elmar, PD3EM, members of the "Lowlands 5x5 Rapid Deployment Amateur Radio Group", will activate the special event call sign PD55RADAR between 4 and 14 September. The "RaDAR" is short for "Rapid Deployment Amateur Radio," and this is an international concept of Radio Amateurs being able to operate anywhere under all circumstances. The goal is to set up an Amateur Radio station quickly on remote sites anywhere using only battery power. Anywhere means not only sites reachable by car but also on locations after a few miles walk. The 5x5 concept means being able to communicate by Amateur Radio within 5 minutes after arriving with the QRP power of 5 watts maximum. The "Lowlands 5x5 RaDAR Group" is not a club with payed membership. It is the concept that brings these Dutch Radio Amateurs together. For more info, check Elmar/PD3EM Web site at <http://www.pd3em.com>. Also, try the YouTube Channel at <http://www.youtube.com/PD3EM>

Austria. The "Austrian Military Radio Society" celebrates its 50<sup>th</sup> anniversary from 1 September until 31 December. Several special event stations are activated for this reason, counting two points for the AMRS award - OE50AMRS, OE50XAM, OE50XCL, OE50XCW, OE50XLC, OE50XMA and OE50XRM. The following stations count one point for this award - OE50AJT, OE50EHB, OE50EMC, OE50EOW, OE50FHA, OE50FQU, OE50GMU, OE50HCE, OE50HFC, OE50IPC, OE50KLU, OE50LTL, OE50MCU, OE50NIP, OE50OLD, OE50PAL, OE50PCD,





OE50PLN, OE50PPF, OE50RJJ, OE50RWL, OE50SPW, OE50TKW, OE50TRB, OE50VIE and OE50VRC. QSLs via OE4RGC (all QSOs will be confirmed via bureau automatically).

Belgium. Several members of the radio club of Binche (ON7RY) are going to put the special event station ON4WAR on the air on 4 September from 11:00 - 18:00 UTC and 5 September from 10:00 - 14:00 UTC. This is to remember the resistance in WW2. Their preferred frequencies are 3 560, 3 579, 3 583 and 7 025 kHz (on CW) but they also work on SSB. See <http://www.on7ry.be>. QSL via ON7RY, direct or via bureau.

Italy. The "Aerobatic Patrol" (the aerobatic team of the Italian Air Force) is celebrating its 50<sup>th</sup> anniversary and the special event station II3PAN will be active between 1 September and 31 October. QSL via IV3IUM, direct or via bureau. A special award is also issued, for more information visit the website <http://www.iv3ium.it/freccetricolori>

Turkey. The "TC Special Wireless Activity Team" is using the special event call sign TC2010WBC during the 2010 FIBA Basketball World Championship in Turkey from 28 August until 5 September. All QSOs are confirmed via bureau automatically by the end of December.

Chile. From 1 to 30 September the Chilean amateurs may change their regular prefixes CD, AC, CE and XQ to the special prefix 3G to celebrate the 200<sup>th</sup> anniversary of the Chilean War for Independence.

## Contest Calendar

This week's contests compiled by Bruce Horn, WA7BNM. The period covered is 01 to 06 September 2010.

### QRP Fox Hunt

01:00 - 02:30 UTC 1 September

Mode: CW

Bands: 20 m Only

Classes: Single Op (Fox/Hound)

Max power: 5 watt

Exchange: RST, state, province or country, name and power output

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 02:30 UTC 2 September 2010

E-mail logs to: (see rules)

Mail logs to: (none)

Find rules at:

[http://www.qrpfcohunt.org/summer\\_rules.htm](http://www.qrpfcohunt.org/summer_rules.htm)

### NCCC Sprint Ladder

02:30 - 03:00 UTC 3 September

Mode: CW

Bands: 160, 80, 40 and 20 m

Classes: Single Op

Max power: 100 watt

Exchange: (see rules)

Work stations: Once per band

QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station

Multipliers: Each US state (including KL7 and KH6) once per band; Each VE province once per band; Each North American country (except W/VE) once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 5 September 2010

E-mail logs to: (none)

Post log summary at:

<http://www.hornucopia.com/3830score/>

Mail logs to: (none)

Find rules at:

<http://www.ncccsprint.com/rules.html>





International G3ZQS Memorial Straight Key Contest  
23:00 UTC 3 September to 23:00 UTC 5 September  
Mode: CW  
Bands: 80, 40, 20, 15 and 10 m  
Classes: QRO; QRP; Club  
Exchange: FISTS: RST, state, province or country, name and FISTS No; non-FISTS: RST, state, province or country, name and power  
Work stations: Once per band  
QSO Points: 2 points per QSO with non-member; 5 points per QSO with FISTS member  
Multipliers: Each state, province or DXCC country once only  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 5 October 2010  
E-mail logs to: hallinl[at]lanecc[dot]edu  
Mail logs to: Lee Hallin N7NU, 3413 Walton Ln, Eugene OR 97408, USA  
Find rules at:  
<http://www.fists.org/straightkey.html>

All Asian DX Phone Contest  
00:00 UTC 4 September to 24:00 UTC 5 September  
Mode: Phone  
Bands: 80, 40, 20, 15 and 10 m  
Classes: Asian Single Op Single Band - High or Low; Non-Asian Single Op Single Band - High; JA Single Op Multi Band - High, Low, Junior or Silver; Asian Single Op Multi Band - High or Low; Non-Asian Single Op Multi Band - High; Multi-Single; Multi-Multi  
Max power: HP: >100 watt; LP: 100 watt  
Exchange: RS and 2-digit age  
Work stations: Once per band  
QSO Points: (see rules)  
Multipliers: Asian Stations: DXCC entities once per band; non-Asian Stations: Asian prefixes once per band  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 31 October 2010  
E-mail logs to: aaph[at]jarl[dot]or[dot]jp

Mail logs to: JARL, All Asian DX Contest, Phone, 170-8073, Japan  
Find rules at:  
[http://www.jarl.or.jp/English/4\\_Library/A-4-3\\_Contests/2010AA\\_Rule.htm](http://www.jarl.or.jp/English/4_Library/A-4-3_Contests/2010AA_Rule.htm)

Russian RTTY WW Contest  
00:00 - 24:00 UTC 4 September  
Mode: RTTY  
Bands: 80, 40, 20, 15 and 10 m  
Classes: Single Op All Band; Single Op Single Band; Multi-Op; SWL  
Exchange: RU: RST and 2-letter oblast; non-RU: RST and CQ zone  
Work stations: Once per band  
QSO Points: 5 points per QSO with same continent; 10 points per QSO with different continent  
Multipliers: Each RU Oblast once per band; Each DXCC country once per band  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 4 October 2010  
E-mail logs to: contest[at]radio[dot]ru  
Mail logs to: Russian RTTY WW Contest Radio Magazine, Seliverstov per. 10, Moscow 107045, Russia  
Find rules at:  
<http://www.qrz.ru/contest/detail/93>

Wake-Up! QRP Sprint  
06:00 - 06:29 UTC, 06:30 - 06:59 UTC, 07:00 - 07:29 UTC and 07:30 - 08:00 UTC 4 September  
Mode: CW  
Bands: 40 and 20 m  
Classes: (none)  
Max power: 5 watt  
Exchange: RST, serial no, suffix of previous QSO ("QRP" for 1st QSO)  
Work stations: Once per band per period  
QSO Points: 1 point per km  
Multipliers: 1 point per new station worked on each band  
Score Calculation: Total score = total QSO points x total multiplier points  
Submit logs by: 11 September 2010  
E-mail logs to: ru-qrp-club[at]mail[dot]ru  
Mail logs to: (none)





Find rules at:

<http://qrp.ru/modules/sections/index.php?op=viewarticle&artid=7&page=1>

#### Colorado QSO Party

12:00 UTC 4 September to 04:00 UTC 5 September

Mode: CW, Phone, Digital

Bands: 160, 80, 40, 20, 15, 10 and VHF/UHF

Classes: Single Op - CW, Phone, Digital or Mixed - QRP, Low or High; Multi-Single - CW, Phone, Digital or Mixed - QRP, Low or High; Multi-Multi - CW, Phone, Digital or Mixed - QRP, Low or High; Mobile Single Op - CW, Phone, Digital or Mixed - QRP, Low or High; Mobile Multi-Op - CW, Phone, Digital or Mixed - QRP, Low or High; School - CW, Phone, Digital or Mixed - QRP, Low or High

Max power: HP: >150 watt; LP: 150 watt;

QRP: 5 watt

Exchange: CO: Name and county; W/VE: Name and state or province; DX: Name and DXCC prefix

Work stations: Once per band per mode per CO county

QSO Points: 1 point per phone QSO; 2 points per CW/digital QSO

Double QSO points for countries outside of W/VE

Multipliers: CO Stations: Each CO county, state, VE province, DXCC country, maritime region once per mode; Non-CO: Each county once per mode

Power: High: x1, Low: x2, QRP: x3

Score Calculation: (see rules)

Submit logs by: 4 October 2010

E-mail logs to: coqplogs[at]ppraa[dot]org

Mail logs to: Colorado QSO Party, PO Box 16521, Colorado Springs, CO 80935-6521, USA

Find rules at:

<http://www.ppra.org/coqp/2010%20COQP%20Rules%202010-1%2007-28-10.pdf>

#### Brazil Independence Day BPSK31 CDX Contest

12:00 UTC 4 September to 12:00 UTC 5 September

Mode: PSK31

Bands: 40, 20, 15 and 10 m

Classes: Single Op All Band - Low or High; Single Op Single Band - Low or High

Max power: HP: 100 watt; LP: 10 watt

Exchange: RST and serial no

QSO Points: 10 points per QSO with Brazil station; 5 points per QSO with non-Brazil station

Multipliers: (none)

Score Calculation: Total score = total QSOs x total QSO points

Submit logs by: 15 September 2010

Upload log at:

<http://brcontest.com/indday/up/>

Mail logs to: (none)

Find rules at:

<http://brcontest.com/modules/tinyd0/content/index.php?id=13>

#### AGCW Straight Key Party

13:00 - 16:00 UTC 4 September

Mode: CW

Bands: 40 m Only

Classes: 5W (A); 50 W (B); 150 W (C); SWL (D)

Exchange: AGCW: RST, serial no, "/", class, "/", name, "/" and age

QSO Points: 9 points per A-A QSO; 7 points per A-B QSO; 5 points per A-C QSO; 4 points per B-B QSO; 3 points per B-C QSO; 2 points per C-C QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 30 September 2010

E-mail logs to: http[at]agcw[dot]de

Mail logs to: Friedrich W. Fabri, DF1OY, Hermann-Bahner-Strasse 1, D-63225 Langen, Germany

Find rules at:

[http://www.agcw.org/en/?Contests:Straight\\_Key\\_Party](http://www.agcw.org/en/?Contests:Straight_Key_Party)

#### RSGB SSB Field Day

13:00 UTC 4 September to 13:00 UTC 5 September

Mode: SSB

Bands: 80, 40, 20, 15 and 10 m

Classes: Open; Restricted





Max power: Open: Full; Restricted: 100 watt  
Exchange: RS and Serial No

QSO Points: 2 points per QSO with fixed IARU Region 1 stations; 3 points per QSO with fixed non-Region 1 stations; 5 points per QSO with portable/mobile IARU Region 1 stations

Multipliers: Each DXCC country per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 21 September 2010

Upload log at: <http://www.rsgbcc.org/cgi-bin/hfenter.pl>

Mail logs to: RSGB G3UFY, 77 Bensham Manor Road, Thornton Heath, Surrey CR7 7AF, England

Find rules at:

<http://www.rsgbcc.org/hf/rules/2010/rssbfd.shtml>

#### IARU Region 1 SSB Field Day

13:00 UTC 4 September to 12:59 UTC 5 September

Mode: SSB

Bands: 160, 80, 40, 20, 15 and 10 m

Classes: see your national society rules

Exchange: RST and serial no

Submit logs by: 30 September 2010

E-mail logs to: see your national society rules

Mail logs to: Your national society

Find rules at: Your national society web site

#### DARC 10-Metre Digital Contest

11:00 - 17:00 UTC 5 September

Mode: RTTY, Amtor, Clover, PSK31, Pactor

Bands: 10 m only

Classes: Single Op; SWL

Exchange: RST and Serial No

QSO Points: 1 point per QSO

Multipliers: Each WAE/DCXX area; Each W/VE call area

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 5 October 2010

E-mail logs to: df5bx[at]darc[dot]de

Mail logs to: Werner Ludwig, DF5BX, PO Box 1270, 49110 Georgsmarienhütte, Germany

Find rules at:

<http://www.darc.de/referate/ukw-funksport/sonder/tei-digi.htm>

#### Tennessee QSO Party

18:00 UTC 5 September to 03:00 UTC 6 September

Mode: CW, Phone, Digital

Bands: 160, 80, 40, 20, 15, 10 and VHF/UHF

Classes: Fixed - Single Op or Multi-Op - QRP, Low or High; Mobile - Single Op or Multi-Op - QRP, Low or High

Max power: HP: >150 watt; LP: 150 watt; QRP: 5 watts

Exchange: TN: RS(T) and county; non-TN: RS(T) and state, province or country

Work stations: Once per band per mode

QSO Points: 2 points per phone QSO; 3 points per CW QSO; 3 points per digital QSO (see rules for bonus QSO points)

Multipliers: TN: TN counties, states, provinces, DXCC countries once per band; non-TN: TN counties once per band

Score Calculation: Total score = (total QSO points x total mults) and bonus points

Submit logs by: 8 October 2010

E-mail logs to: logs[at]tnqp[dot]org

Mail logs to: Tennessee QSO Party, c/o Doug Smith, W9WI, 1389 Old Clarksville Pike, Pleasant View, TN 37146-8098, USA

Find rules at:

<http://www.tnqp.org/html/rules.htm>

#### MI QRP Labor Day CW Sprint

23:00 UTC 6 September to 03:00 UTC 7 September

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 and 6 m

Classes: less 250 mW; 250 mW - 1 W; 1 - 5 W; greater 5W

Exchange: RST, state, province or country and member no or power output

Work stations: Once per band

QSO Points: 5 points per QSO with members; 2 points per QSO with non-member W/VE stations; 4 points per QSO with non-member DX stations

Multipliers: Each state, province or country, once per band





Bonus: multiply total points by 1.25 if xmtr or receiver is homebrew; Bonus: multiply total points by 1.5 if both xmtr and receiver are homebrew

Score Calculation: Total score = bonus multiplier x total QSO points x total mults

Submit logs by: 6 October 2010

E-mail logs to: n8xx[at]arrl[dot]org

Mail logs to: Hank Greeb, N8XX, 5727 11 Mile Rd NE, Rockford, MI 49341, USA

Find rules at:

<http://www.qsl.net/miqrclub/contest.html>

## Next Week's Contests

MI QRP Labor Day CW Sprint, 23:00 UTC 6 September to 03:00 UTC 7 September

ARS Spartan Sprint, 01:00 - 03:00 UTC 7 September

QRP Fox Hunt, 01:00 - 02:30 UTC 8 September

CWops Mini-CWT Test, 11:00 - 12:00 UTC, 19:00 - 20:00 UTC 8 September and 03:00 - 04:00 UTC 9 September

RSGB 80 m SSB Club Sprint, 19:00 - 20:30 UTC 9 September

FISTS Get Your Feet Wet Weekend 00:00 UTC 10 September to 24:00 UTC 12 September

NCCC Sprint Ladder, 02:30 - 03:00 UTC 10 September

PODXS 070 Club Jay Hudak Memorial 80 m Sprint, 20:00 local 10 September to 0200 local 11 September

WAE SSB DX Contest, 00:00 UTC 11 September to 23:59 UTC 12 September

Arkansas QSO Party, 13:00 UTC 11 September to 01:00 UTC 12 September

Swiss HTC QRP Sprint, 13:00 - 19:00 UTC 11 September

Ohio State Parks on the Air, 16:00 - 24:00 UTC 11 September

ARRL September VHF QSO Party, 18:00 UTC 11 September to 03:00 UTC 13 September

ARCI VHF Contest, 19:00 UTC 11 September to 04:00 UTC 13 September

North American CW Sprint, 00:00 - 04:00 UTC 12 September

SKCC Weekend Sprint, 00:00 - 24:00 UTC 12 September

## This week in History

A look back at events that made history this week - compiled by the Summerland Amateur Radio Club of Lismore, NSW. The week starting Monday 30 August 2010

1896 Marconi demonstrates wireless to the British Post Office, Army and Navy over a distance of 2,5 km

1920 First radio news program, station 8MK, Detroit, Michigan, USA.

*Items used with acknowledgement to The ARRL Letter, Amateur Radio Newsline, OPDX Bulletin, 425 DX Bulletin, DXNL Bulletin, ARRL DX News, WIA-News, the RSGB News, Southgate ARC and Pete's DX Newsdesk.*

*Newsletter editors are most welcome to use material from HF Happenings, just remember to acknowledge the source (which could be any one of the names mentioned above). HF Happenings can be provided in MS Word format.*

